Inner Air Sleeve

11. Inner air zone sleeve increased in thickness from 1/4" to 3/8", material changed from TP309 to 800H.

12. Stiffeners on inner air sleeve changed from carbon steel to 800H.

13. Spin vane drive changed from gears to push/pull ring arrangement used on XCL, inner sleeve length increased approximately 10" to accommodate pull ring.

Coal Nozzle

14. Alloy portion of nozzle tip increased in length from 33" to 48".

Please let me know if you require any additional information on the above.

I invited Bill Newkirk in to review the proposed changes. Bill's comments were generally favorable in all respects. He had thought that the RA253MA material was superior to the 800H with respect to allowable stress and was surprised to see that our data from technology showed otherwise. With respect to the 800H, Bill suggested that 800HT might be even better. I have requested Mike Gold to look into this. Bill was also somewhat hesitant concerning the need for complete burner replacement. His most recent report to IPP suggested that the outer register and slip seal casing were the primary components in need of redesign/replacement. After seeing the upgrades we were proposing on the other components, he agreed that complete replacement was the cost effective approach. Unless Bill was holding back something, I would anticipate that his input to IPP concerning our design will be favorable.

Paul Cioffi

P. L. Cioffi

PLC005/lak
cc: R. W. Ely - BVSW3A
D. C. Langley - Denver